



ICAO

International Civil Aviation Organization

**THE ELEVENTH MEETING OF SYSTEM WIDE
INFORMATION MANAGEMENT TASK FORCE
(SWIM TF/11)**

Bangkok, Thailand, 25 – 29 May 2026

- Agenda Item 4: Updates on progress and issues under the SWIM TF Task groups structure
- g) Coordination and promotion
 - Task 11: SWIM Implementation Education and Promotion

RAISING AIRLINES' AWARENESS OF SWIM, FF-ICE AND TBO

(Presented by IATA)

SUMMARY

This paper presents an update on current and planned activities by IATA to raise awareness in all levels of member airlines in the fields of SWIM, FF-ICE and TBO.

1. INTRODUCTION

1.1 The modern CNS/ATM concepts of SWIM, FF-ICE and TBO are advancing rapidly in their development. Global and regional implementation dates for new concepts and capabilities, and sunset of legacy procedures is now a reality. Executing a well-planned roadmap for implementation will require thorough understanding from all stakeholders.

1.2 To date, the majority of development in SWIM, FF-ICE and TBO has been led by States and their ANSPs, while airlines have prioritised shorter term operations, particularly during the global COVID crisis where airline survivability became the ultimate priority.

1.3 IATA is working to raise awareness and preparedness in all levels of airlines by coordinating connections between airlines and their ANSPs and also through development of training material as part of the Pathfinder TBO project.

2. DISCUSSION

2.1 The Pathfinder group has agreed to a series of activities and deliverables related to raising the awareness of TBO and its enablers of FF-ICE, Connected Aircraft and SWIM in airline Executive, operational and technical levels. These steps will take place over the next three years (2026-2028).

2.2 A primary initiative will be to conduct a regional webinar with APAC Airspace Users (AUs) to align regional AU efforts to facilitate the understanding of global TBO concept and its building blocks, including the need for interoperability and harmonisation, and envisaged benefits.

2.3 IATA shall use Executive level communication to encourage AU participation in the webinar and other activities for SWIM, FF-ICE and TBO such as technical interchange meetings, table-top exercises and laboratory demonstrations. This aims to provide airline expertise and insights to

ensure that the operational scenarios developed are practical and operationally viable. The ultimate goal is to have airlines becoming SWIM capable so that they can participate as eAUs in future SWIM, FF-ICE and TBO events.

2.4 Three webinars are planned: Two 2-hour webinars for airline operational and technical SMES, including technical/management and pilots, and one 45-minute webinar with high-level content for executive-level attendees.

2.5 The two-hour webinars will take the form of:

2.5.1 TBO definition and the need for TBO

2.5.2 Day-to-day TBO ops and the evolution from legacy ATM

2.5.3 Key enablers:

- SWIM
- FF-ICE
- Connected aircraft

2.5.4 Benefits of TBO

2.5.5 Open discussion on airline challenges based on live online feedback

2.5.6 APAC roadmap and timeline

2.6 Feedback from airlines during and after the webinars will be used to update the Pathfinder TBO education material published in 2025.

2.7 IATA has also been working to establish closer working connections between airlines and their ‘home’ ANSPs. Aligning implementation roadmaps will lead to better testing and trials and smoother transitions, and minimise the inconvenience of mixed modes during the transition periods. IATA encourages all ANSPs that don’t yet have strong points-of-contact with their home-based airlines for SWIM and other concepts to liaise with IATA to establish those connections.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) discuss any relevant matter as appropriate; and,
- c) Make contact with IATA to establish appropriate connections with airlines in order to align roadmaps.
